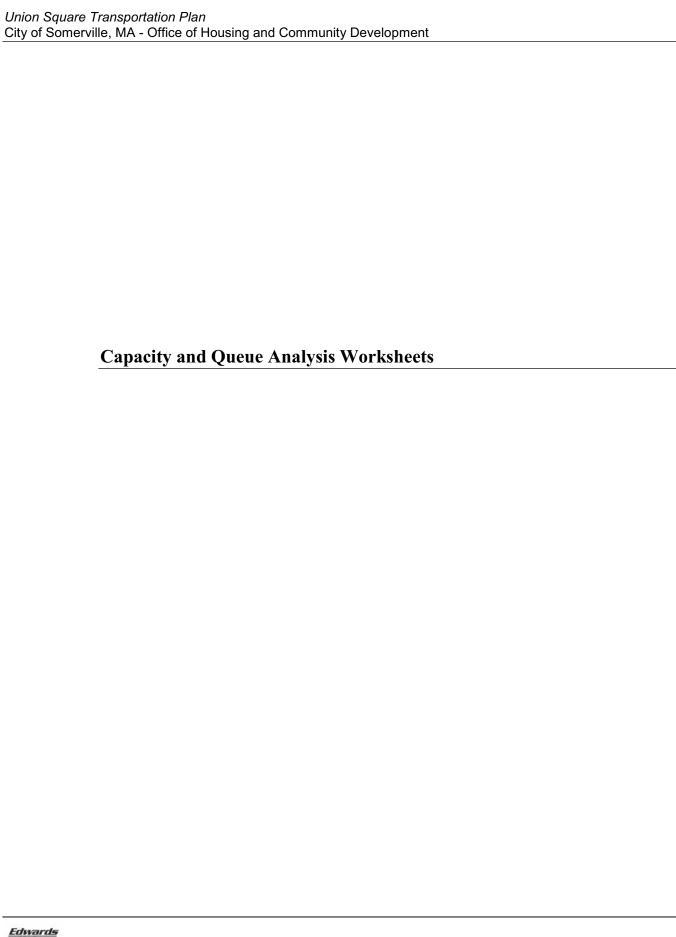


APPENDIX

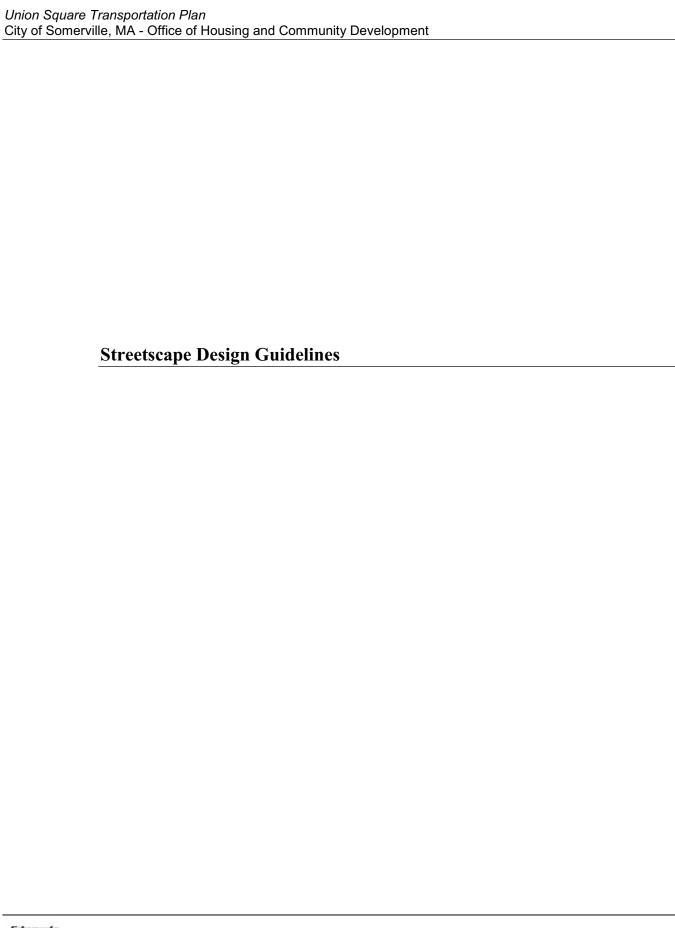
Capacity and Queue Analysis Worksheets

Streetscape Design Guidelines













Benches

Benches

Manufacturer:

Landscapeforms www.landscapeforms.com

Model:

Scarborough Series

Size:

6' length or 8' length

Color:

Black w/ Powdercoat Finish

The recommended benches are from the Scarborough Series manufactured by Landscapeforms, matching the recommended trash receptacles. These are similar to the benches that are used in Conway Park to the north of Union Square. The benches are constructed of both solid and tubular steel and steel straps, combining ideal strength and durability. The benches can be ordered in two seat styles: woven or horizontal straps. Optional lengths available are 6' and 8', with an optional center arm on both models. When ordering, specify backed or backless, bench length, seat style, surface mounting, and powdercoat color.









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Union Square Transportation Plan Streetscape Design Guidelines



Trash Receptacles

Trash Receptacles

Manufacturer:

Landscapeforms www.landscapeforms.com

Model:

Scarborough Series

Size:

30 Gallon capacity

Color:

Black w/ Powdercoat Finish

The recommended trash receptacles are from the Scarborough Series manufactured by Landscapeforms, matching the recommended benches. The receptacles are constructed of solid steel and steel straps, combining ideal strength and durability. The side panels may be square rods or vertical flat metal straps. The receptacle lid lifts up and swings to the side for easy removal. Side or top opening receptacles may be specified, and an optional keyed lock may be added for security. An ash pan may be added for side opening receptacles. When ordering, specify top or side-opening, vertical strap or square bar side panel, surface mounting, and powdercoat color.









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Lighting Standards

Lighting Standards

Manufacturer:

Antique Street Lamps www.antiquestreetlamps.com

Model:

New York Series Post

Size:

20" dia. base; 18'-0" ht. (PI NY20 18)

Color:

Standard Black

Decorative pedestrian light posts will enhance Union Square, as well as help create an identity and sense of place. Historic in character, the posts, when utilized as a part of the overall streetscape design guidelines, will provide a unifying design element throughout Union Square.

The recommended Post is part of the New York Series manufactured by Antique Street Lamps, matching the recommended bollards. The posts are constructed of cast iron and anchored to a concrete base. The recommended fixture is the A25 series Acorn Luminaire with the E series Luminaire Base. Recommended accessories include outlets for holiday lighting, banner arms, and planting brackets.





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Union Square Transportation Plan Streetscape Design Guidelines



Bollards

Bollards

Manufacturer:

Antique Street Lamps www.antiquestreetlamps.com

Model:

New York Series

Size:

3'-7" Height (Non-Lighted)
3'-8" Height (Lighted)

Color:

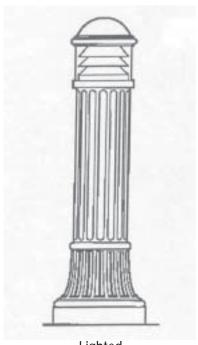
Black w/ Powdercoat Finish

Pedestrian safety and separation from vehicular traffic is a major element of streetscape improvements. Bollards will be used to delineate pedestrian zones from traffic and to define edges within the Square.

The recommended bollard is part of the New York Series, manufactured by Antique Street Lamps, matching the recommended Lighting Standards. The bollards are constructed of cast iron and anchored to a concrete base. The bollards are available either lighted or non-lighted. When ordering, specify lighted or non-lighted, height, mounting type, and powdercoat color.



Non-Lighted



Lighted



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Union Square Transportation Plan Streetscape Design Guidelines



Bike Racks

Bike Racks

Manufacturer:

Columbia Cascade www.timberform.com

Model:

Cycloops Series No. 2170-11-P-C

Size: Varies

Color:

Black w/ Powdercoat Finish

To improve and encourage the use of bicycles throughout Union Square, two options for bicycle racks are recommended. The first recommended Bike Rack is from the Cycloops series manufactured by Columbia Cascade. The bike rack is constructed of tubular steel and can be either surface mounted or set in the pavement. This rail alternative allows a number of bicycles to be chained to it at once. When ordering, specify Series No., height, and powdercoat color.

The second recommended Bike Rack is the existing City of Somerville Bike Ring already found in some areas of Union Square, namely along Somerville Avenue. The rings are inscribed with the text 'City of Somerville' and 'Lock Bicycle to Post'.







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Union Square Transportation Plan Streetscape Design Guidelines



Tree Grates

Tree Grates

Manufacturer:

Structural Plastics Corp. www.structuralplastics.com

Model:

Poly-Grate II Series

Size:

5' Square; 5' Round

Color:

Standard Black

Tree Grates are recommended to protect the root zone of street trees in high traffic pedestrian areas. Grates shall comply with ADA guidelines, and have center holes that are easily enlarged to accomodate future caliper growth.

The recommended tree grates are the Poly-Grate II Series manufactured by Structural Plastics Corp. The grates are molded from high-density structural plastic resins, and are durable, non corrosive, lightweight, and expandable. Color is integrally molded. When ordering, specify model, size, color (black), and product code. Frames are not included- the grate is supported by a cast-in-place concrete ledge as per manufacturers' specifications.







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Union Square Transportation Plan Streetscape Design Guidelines



Information Kiosk

Information Kiosk

Designer:

Favermann Design www.favermanndesign.com

Model: N/A

Size:

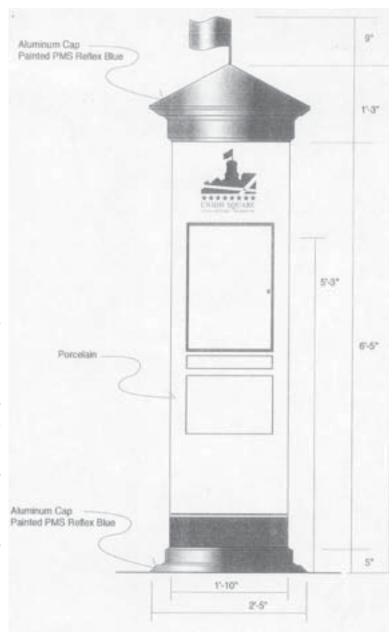
8'-0" height

Color:

Blue Base and Cap - Porcelain Body

The City of Somerville recently commissioned the design of an information kiosk exclusively for use in the Union Square area. The 8' high structure is constructed of a porcelain finished main body, with an aluminum base and cap, both painted blue. The kiosks, located strategically throughout the Square, will contain a map and directory of the area, a commerce board for announcements from local merchants, a changeable area for community events and calendars, and additional space for brochures, postings, etc.

The kiosk is designed with a breakaway base that is surface mounted with notched bolts designed to snap off with impact. This will reduce damage associated with a vehicle or other large object striking the structure.





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